

PTO/SB/08 (11-07)

Approved for use through 11/30/2007. OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the paperwork Reduction Act of 1995, no persons required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/537,756
				Filing Date	October 25, 2005
				First Named Inventor	David John Haydon
				Art Unit	1652
				Examiner Name	Iqbal Hossain Chowdhury
Sheet	1	Of	4	Attorney Docket Number	35813-709.831

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/IC/	11.	US-6,747,137	06- -2004	Weinstock et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
/IC/	12.	WO-2002-02784	01-10-2002	Anadys Pharmaceuticals		
/IC/	13.	WO-2001-60975	08-23-2001	Boone et al.		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
/IC/	14.	Aebi et al., "Isolation of a Temperature-sensitive Mutant with an Altered tRNA Nucleotidyltransferase and Cloning of the Gene Encoding tRNA Nucleotidyltransferase in the Yeast <i>Saccharomyces cerevisiae</i> ," J. Biol. Chem. 265:16216-16220 (1990)	
/IC/	15.	Antifungal definition from Merriam-Webster Online Dictionary 11/08/06	
/IC/	16.	Backen et al., "Evaluation of the CaMAL2 promoter for regulated expression of genes in <i>Candida albicans</i> ," Yeast 16:1121-1129 (2000)	
/IC/	17.	Bruno et al., "Large-scale gene function analysis in <i>Candida albicans</i> ," Trends Microbiol. 12:157-161 (2004)	
/IC/	18.	Chen et al., "Cytoplasmic and Mitochondrial tRNA Nucleotidyltransferase Activities Are Derived from the Same Gene in the Yeast <i>Saccharomyces cerevisiae</i> ," J. Biol. Chem. 267:14879-14883 (1992)	

Examiner Signature	/Iqbal Chowdhury/ (04/01/2009)	Date Considered	
--------------------	--------------------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. *Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08 (11-07)

Approved for use through 11/30/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the paperwork Reduction Act of 1995, no persons required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known		
				Application Number	10/537,756	
				Filing Date	October 25, 2005	
				First Named Inventor	David John Haydon	
				Art Unit	1652	
				Examiner Name	Iqbal Hossain Chowdhury	
Sheet	2	Of	4	Attorney Docket Number		35813-709.831

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶		
/IC/	19.	Chen et al., "Purification and Properties of Yeast ATP (CTP):tRNA Nucleotidyltransferase from Wild Type and Overproducing Cells," J. Biol. Chem. 265:16221-16224 (1990)			
/IC/	20.	Cho et al., "Use of nucleotide analogs by class I and class II CCA-adding enzymes (tRNA nucleotidyltransferase): Deciphering the basis for nucleotide selection," RNA 9:970-981 (2003)			
/IC/	21.	De Backer et al., "Genomic profiling of the response of Candida albicans to itraconazole treatment using a DNA microarray," Antimicrobial Agents + Chemother. 45(6):1660-1670 (2001)			
/IC/	22.	De Backer et al., "Recent developments in molecular genetics of Candida albicans," Ann. Rev. Microbiology 54:463-498 (2000)			
/IC/	23.	De Backer et al., "An antisense-based functional genomics approach for identification of genes critical for growth of Candida albicans," Nature Biotech. 19(3):235-241 (2001)			
/IC/	24.	De Backer et al., "RNA-mediated gene silencing in non-pathogenic and pathogenic fungi," Curr. Op. Microbiol. 5(3):323-329 (2002)			
/IC/	25.	Deng et al., "Isolation and nucleotide sequence of a gene encoding tRNA nucleotidyltransferase from Kluyveromyces lactis," Yeast 16:945-952 (2000)			
/IC/	26.	Ghannoum et al., "Antifungal Agents: Mode of Action, Mechanisms of Resistance, and Correlation of These Mechanisms with Bacterial Resistance," Clin. Microbiol. Rev. 12(4):501-517 (1999)			
/IC/	27.	Glaever et al., "Functional profiling of the Saccharomyces cerevisiae genome," Nature 418(6896): 387-391 (2002)			
/IC/	28.	Hanic-Joyce, et al., "Characterization of a gene encoding tRNA nucleotidyltransferase			

Examiner Signature	/Iqbal Chowdhury/ (04/01/2009)	Date Considered	
--------------------	--------------------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. *Applicant is to place a check mark here if English language Translation is required. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08 (11-07)

Approved for use through 11/30/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the paperwork Reduction Act of 1995, no persons required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/537,756	
			Filing Date	October 25, 2005	
			First Named Inventor	David John Haydon	
			Art Unit	1652	
			Examiner Name	Iqbal Hossain Chowdhury	
Sheet	3	Of	4	Attorney Docket Number	35813-709.831

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	†6	
		from Candida glabrata," Yeast 19(16):1399-1411 (2002)		
/IC/	29.	Invitrogen Product Catalog 2000:pp.viii and 79		
/IC/	30.	Kroger et al., "Reversible Inactivation of tRNA Nucleotidyltransferase from Baker's Yeast by tRNA ^{Phe} Containing Iodoacetamide-Alkylated 2-Thiocytidine in Normal and Additional Positions," Eur. J. Biochem. 95:341-348(1970)		
/IC/	31.	Navarro et al., "Characteristics of the Inhibition and Metabolic Inactivation of the Yeast tRNA Nucleotidyltransferase," Italian J. Biochem. 40:295-303 (1991)		
/IC/	32.	Onishi et al., "Discovery of Novel Antifungal (1,3)-β-D-Glucan Synthase Inhibitors," Antimicrobial Agents and Chemotherapy 44(2):368-377 (2000)		
/IC/	33.	Peltz et al., "A Mutation in the tRNA Nucleotidyltransferase Gene Promotes Stabilization of mRNAs in Saccharomyces cerevisiae," Mol. Cell Biol. 12:5778-5784 (1992)		
/IC/	34.	Roemer et al., "Large-scale essential gene identification in Candida albicans and application to antifungal drug discovery," Mol. Microbiol. 50(1):167-181 (2003)		
/IC/	35.	Song et al., "RAM2: an essential gene in the prenylation pathway of Candida albicans," Microbiol. 149:219-259 (2003)		
/IC/	36.	Spaltmann et al., "Computer-aided target selection-prioritizing targets for antifungal drug discovery," Drug Discovery Today, 4: 17-26 (1999)		
/IC/	37.	Sternbach et al., "Affinity Labelling of tRNA Nucleotidyltransferase from Baker's Yeast with tRNA ^{Phe} Modified on the 3'-Terminus," Eur. J. Biochem. 67:215-221 (1976)		
/IC/	38.	Vesses et al., "ABG1, a Novel and Essential Candida albicans Gene Encoding a Vacuolar Protein Involved in Cytokinesis and Hyphal Branching," Eukaryotic Cell 4(6):1088-1101 (2005)		

Examiner Signature	/Iqbal Chowdhury/ (04/01/2009)	Date Considered
--------------------	--------------------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. †Applicant's unique citation designation number (optional). †See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. †Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). †For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. †Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if applicable. †Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08 (11-07)

Approved for use through 11/30/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the paperwork Reduction Act of 1995, no persons required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known		
				Application Number	10/537,756	
				Filing Date	October 25, 2005	
				First Named Inventor	David John Haydon	
				Art Unit	1652	
Examiner Name	Iqbal Hossain Chowdhury					
Sheet	4	Of	4	Attorney Docket Number	35813-709.831	

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
/IC/	39.	Weiner, Alan, "tRNA Maturation: RNA Polymerization without a Nucleic Acid Template," Curr. Biol. 14:R883-R885 (2004)			
/IC/	40.	Wolfe et al., "Mechanisms Leading to and the Consequences of Altering the Normal Distribution of ATP(CTP):tRNA Nucleotidyltransferase in Yeast," J. Biol. Chem. 271:4679-4686 (1996)			
/IC/	41.	Wood et al., "The genome sequence of Schizosaccharomyces pombe," Nature 415(6874): 871-880 (2002)			
/IC/	42.	Yue et al., "The CCA-adding Enzyme Has a Single Active Site," J. Biol. Chem. 273:29693-29700 (1998)			

Examiner Signature	/Iqbal Chowdhury/ (04/01/2009)	Date Considered	
--------------------	--------------------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.197 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.